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<141> 2003-09-19

<151> 2001-05-22

<151> 2000-05-22

<170> PatentIn version 3.0

<213> Artificial

<223> Synthetic

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala
20 25 30

<213> Artificial

<223> Synthetic

<223> Amino acid residues 7-10 either are present, together as all Lys or all Asp or are all absent. When residues 7-10 are present then any one or all of residues 1-6 can either be absent or present as Lys or Asp to form, in combination with residues 7-10, a

<223> N-terminal polylysine or polyaspartate segment of 4-10 residues in length

<223> Amino acid residues 27-31 are LeuValPhePheAla in which one or two of residues 27-31 are substituted with Lys, Asp, or Glu.

<220>

<221> misc_feature

<223> Amino acid residues 45-50 can either be absent or present as Lys or Asp to form, in combination with residues 41-44, a C-terminal polysine or polyaspartate segment of 4-10 residues

<400> 9

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Ala Glu Phe Arg His
1 5 10 15

Asp Ser Gly Tyr Glu Val His His Gln Lys Xaa Xaa Xaa Xaa Xaa Glu
20 25 30

Asp Val Gly Ser Asn Lys Gly Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa
50

<210> 10

<211> 80

<212> PRT

<213> Artificial

<220>

<223> Synthetic

<220>

<221> misc_feature

<223> Amino acid residues 7-10 either are all Lys or all Asp or are all absent. When residues 7-10 are present, then any one or all of amino acid residues 1-6 can either be absent or present as Lys or Asp to form, in combination with residues 7-10, a N-terminal

<220>

<223> polylysine or polyaspartate segment of 4 to 10 residues in length

<220>

<221> misc_feature

<223> Amino acid residues 75-80 can either be absent or present as Lys or Asp to form, in combination with residues 71-74, a C-terminal polylysine or polyaspartate segment of 4-10 residues

<220>

<221> misc_feature

<223> Amino acid residues 27-31 and 57-61 are the same and are LeuValPhePheAla in which one or two of residues 27-31 and the same one or two residues of residues 57-61 are substituted with Lys, Asp, or Glu.

<400> 10

1 5 10 15
 Leu Asp Asp Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala
 20 25 30

<210> 14
 <211> 5
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic

<400> 14

Leu Pro Phe Phe Asp
 1 5

<210> 15
 <211> 30
 <212> PRT
 <213> Artificial

<220>
 <223> Synthetic

<220>
 <221> misc_feature
 <223> Amino acid residues 17-21 are LeuValPhePheAla in which one or two
 of residues 17-21 are substituted with Lys, Asp, or Glu.

<400> 15

Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
 1 5 10 15

Xaa Xaa Xaa Xaa Xaa Glu Asp Val Gly Ser Asn Lys Gly Ala
 20 25 30